We Claim:

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1. In combination with a fixed offshore hydrocarbon production platform which comprises a deck attached to a base that is secured to the sea floor, the improvement comprising a GTL facility for converting natural gas into a hydrocarbon liquid which comprises:

a syngas reactor for converting the natural gas into syngas; and a liquids production unit for converting the syngas into the hydrocarbon liquid;

wherein at least one of the syngas reactor and the liquids

production unit comprises a catalyst which is constructed using PI micro-reactor technology; and

wherein the GTL unit is sufficiently small to be located on the deck of the platform.

- The combination of claim 1, further comprising a gas pre-processing unit for converting the natural gas into a form which is suitable for processing by the syngas reactor.
 - 3. The combination of claim 2, wherein the gas pre-processing unit performs at least one of the following functions on the natural gas: filtering; desulphering and dehydrating.
 - 4. The combination of claim 1, further comprising a hydrocracker unit for converting the hydrocarbon liquid into at least one hydrocarbon fuel.
 - The combination of claim 1, wherein the syngas reactor employs a steam reforming process to convert the natural gas into syngas.

- 6. The combination of claim 1, wherein the syngas reactor comprises a catalyst which is constructed using PI micro-reactor technology.
- 7. The combination of claim 6, wherein the catalyst comprises a reticulated ceramic foam catalyst.

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- 8. The combination of claim 7, wherein the catalyst further comprises one or more metal oxides selected from the group consisting of chromium, cobalt and nickel.
- The combination of claim 1, wherein the liquids production unit
 employs a Fisher-Tropsch process to convert the syngas to the hydrocarbon
 liquid.
 - 10. The combination of claim 1, wherein the liquids production unit comprises a catalyst which is constructed using PI micro-reactor technology.
 - 11. The combination of claim 9, wherein the catalyst comprises an inactive substrate having a plurality of channels formed therein.
 - 12. The combination of claim 11, wherein the channels are coated with a Fisher-Tropsch catalyst.
 - 13. A GTL facility for a fixed offshore hydrocarbon production platform which comprises a deck attached to a base that is secured to the sea floor, the GTL facility comprising:
 - a syngas reactor for converting natural gas from a subsea well into syngas; and
 - a liquids production unit for converting the syngas into a hydrocarbon liquid;

wherein the GTL unit is sufficiently small to be located on the deck of the platform.

- 14. The GTL facility of claim 13, wherein at least one of the syngas reactor and the liquids production unit comprises a catalyst which is constructed using PI micro-reactor technology.
 - 15. The GTL facility of claim 14, wherein the syngas reactor comprises a reticulated ceramic foam catalyst.
- 16. The GTL facility of claim 15, wherein the catalyst further includes one or more metal oxides selected from the group consisting of chromium, cobalt and nickel.

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- 17. The GTL facility of claim 14, wherein the liquids production unit comprises a which includes an inactive substrate having a plurality of channels formed therein.
- 18. The GTL facility of claim 14, wherein the channels are coated with a15 Fisher-Tropsch catalyst.
 - 19. The GTL facility of claim 14, further comprising a gas preprocessing unit connected upstream of the syngas reactor for filtering, desulphering or dehydrating the natural gas.
- 20. The GTL facility of claim 14, further comprising a hydrocracker unit for converting the hydrocarbon liquid into at least one hydrocarbon fuel.